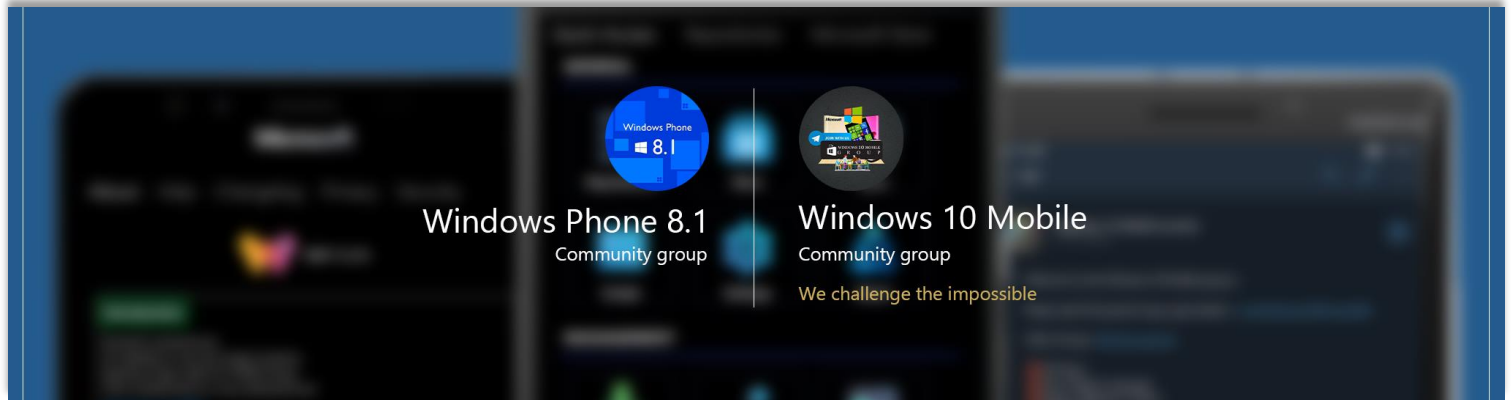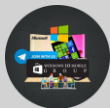# HOW TO UPDATE TO
RS1 | RS2 | RS3
IN ANY UNSUPPORTED DEVICE

Requirements

- ❖ Windows 10 Mobile Device.

W10M Group YouTube Channel

Apart from these documented Guides, we have started the roll up of Video Versions of each guide in our YouTube Channel.

Don't forget to **like** and **subscribe**!

How to Update any devices to W10M RS1, RS2 & RS3 Builds

You can follow this video guide if you prefer video guidance over this documented guidance.

GUIDE CONTENTS

RS1 / RS2 / RS3

BUILD UPDATES

TO ANY W10M DEVICE

Introduction

What are these RS1, RS2 & RS3 updates?

RS stands for **Redstone** which is a codename for a series of major Windows 10 (/mobile) updates.

Windows 10 Mobile got three of those updates before getting discontinued & some of these updates were exclusive to only some Lumia models.

RS1 : Redstone 1 / Anniversary Update / 1607 / 10.0.14393.XXXX

RS2 : Redsotne 2 / Creators Update / 1703 / 10.0.15063.XXXX

RS3 : Redstone 3 / Fall Creators Update / 1709 / 10.0.15254.XXXX

RS1 was delivered to *every Windows Phone which officially got the Windows 10 Mobile upgrade from Windows Phone 8.1*

RS2 was exclusive to only *Lumia 640/XL.*

RS3 was exclusive to only *Lumia 550, 650 & 950/XL.*

But with this guide, we will show you **how to get any of these updates in any Windows 10 Mobile Device!!**

Which Redstone update is suitable for your Device?

Now this is device dependent, but;

If your device has **512MB/1GB RAM**, you should **go for Redstone 1 / 1607 / Anniversary Update.**

If your device has **2GB RAM**, you should **go for Redstone 2 / 1703 / Creators Update** OR **Redstone 3 / 1709 / Fall Creators Update**.

1GB RAM devices will be just OK with Redstone 2 / 3, it will depend on other factors such as the processing power of the device.

But 512BM RAM Devices are not recommended at all for Redstone 2 / 3 due to low power & storage.

Alos, make sure to check-out with the next heading to get to know possible side-effetcts with older generation lumia when updated to Redstone builds.

Any pre-requirement/s?

YES.

The device **must be at least in any Windows 10 Mobile build**.

That means, *you can't follow this guide if you have Windows Phone 8.1 or a lower OS version*, it must at least needs to be updated to the first release of Windows 10 Mobile / 1511.

Other than that, **no unlock is required**.

Also might worth of notice; the **method used in this guide can be used in any device running Windows 10 Mobile despite the device manufacturer**, in other words, this method will work with any Windows Phone no matter it's a Lumia or not as long as it's running Windows 10 Mobile (*Updated Officially or Un-officially*)

Is this an un-official update method?

The part we import REG files of each update is the Un-official part; then we use the official Windows Update to check and to download & install updates, that part is official and also *why this method is a lot safer than fully manual updates*.

So, It's safe to say **it's a semi-official update method which is a lot safer.**

Can I downgrade updates after installing one?

NO, sadly **Windows 10 Mobile doesn't support downgrading / Uninstalling** an update once installed.

If you really want to downgrade, you need to **Re-flash your device using WDRT/WPI or any such flashing tool** which will completely erase all the data including the OS verison which was currently installed prior to flashing**.**

Does this guide uses offline update packages?

NO, this method **uses the official Microsoft OTA download servers** to download the updates right in the phone settings.

So, *if these update servers got taken down, then this guide will be useless*!

That is why you should consider backing them up using the referenced Guide here.

Possible Side-effects in OLD GEN Lumia

| Affected device range

The first Generation **NOKIA Lumia devices initiailly with Windows Phone 8** which were **excluded from the official Windows 10 Mobile Upgrade** can have some **side-effects** after updating to newer Windows 10 Mobile builds .

To be more specific, most of the side effects are in effect starting with Redstone 1 builds aka 1607 / 10.0.14393 and all newer builds.
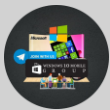
BUT, if your device was officially eligible for the Windows 10 Mobile upgrade, then you don't have to worry about this as there will be no such side-effects.

| Known side-effetcs ([Credits to AAWP](#))

> Stereo audio capture is removed.

> Blue-tooth is always stuck to ON (RS1 & above)

> Brightness is always stuck to Auto (RS1 & above)

> Glance screen is removed. (Can be restored manually: [check in here](#))

> Considerably slower performance (System-wise)

> Considerably slower camera performance (Camera-wise: Lumia 1020)

There are no workarounds for these side-effects (*Except Glance screen*)

If you are **OK** with these, then **you can use this guide for your Old Lumia as well!**

Preparations

Download & install Interop Tools in your device.

	GITHUB		W.U.T		MEGA

PRE-NOTES (MANDATORY)

> Make sure the remaining battery percentage of your device is at least 50% or above (*100% is recommended*)

Charge your device if it's lower than 50% cause updates will not install if you don't have at least 40% Battery percentage.

> Make sure you haven't unlocked the bootloader of your Phone; if it's unlocked, re-lock it.

Never update the phone while the bootloader is unlocked!

> Make sure to pay attention to every note in this guide before updating.

Updates cannot be reverted once installed, only a complete re-flash will wipe the updates!

> This guide uses OTA update methods so make sure you are prepared.

Here are the approximate download sizes for each update!

OS Version	Size
10.0.14393.1066	600 – 700 MB
10.0.14393.2551	600 – 700 MB
10.0.15063.297	700 – 800 MB
10.0.15063.1868 (Delta)	100 – 150 MB
10.0.15254.547 (Delta)	100 – 150 MB
10.0.15254.603	700 – 800 MB

How to Update to Windows 10 Mobile Redstone (RS1/2/3)

Feel fee to choose the build you want after considering the information in the Introduction part.

- Update to RS1 / 1607 / Anniversary Update / 10.0.14393.XXXX

- Update to RS2 / 1703 / Creators Update / 10.0.15063.XXXX

- Update to RS3 / 1709 / Fall Creators Update / 10.0.15254.XXX

📶 `⚡️` 4:00

⚙️ **Phone update**

Update status

Updates are available.

• Windows 10 Mobile (10.0.14393.2551)
update can help make your phone wo
better.

Downloading updates 25%

Update settings

Available updates will be downloaded
installed automatically, except over m
connections (where charges may appl

Change active hours

Restart options

📶 `💬` 5:54

⚙️ **Phone update**

Update status

Updates are available.

• Windows 10 Mobile (10.0.15063.297)
update can help make your phone wo
better.

Downloading updates 0%

Update settings

Available updates will be downloaded
installed automatically, except over m
connections (where charges may appl

Change active hours

Restart options

📶 `📶` 3:57

⚙️ **Phone update**

Update status

Updates are available.

• 2019-01 Update for Windows 10 Version 1709
for arm-based Phone Devices.

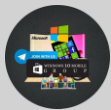Downloading updates 0%

Update settings

We'll automatically download and install updates,
except on metered connections (where charges
may apply). In that case, we'll automatically
download only those updates required to keep
Windows running smoothly.

Change active hours

Restart options

Have a question?

Get help

Update to RS1 / 1607 / Anniversary Update / 10.0.14393.XXX

Download RS1 Update enabler registry file.

	W.U.T		MEGA

RS1_L930.reg
218.00 B

> Open **Interop Tools**.

Choose "**This Device**" as the registry provider.

(*Do not choose "This device (through provider extensions)"*)

Select a provider for this application session
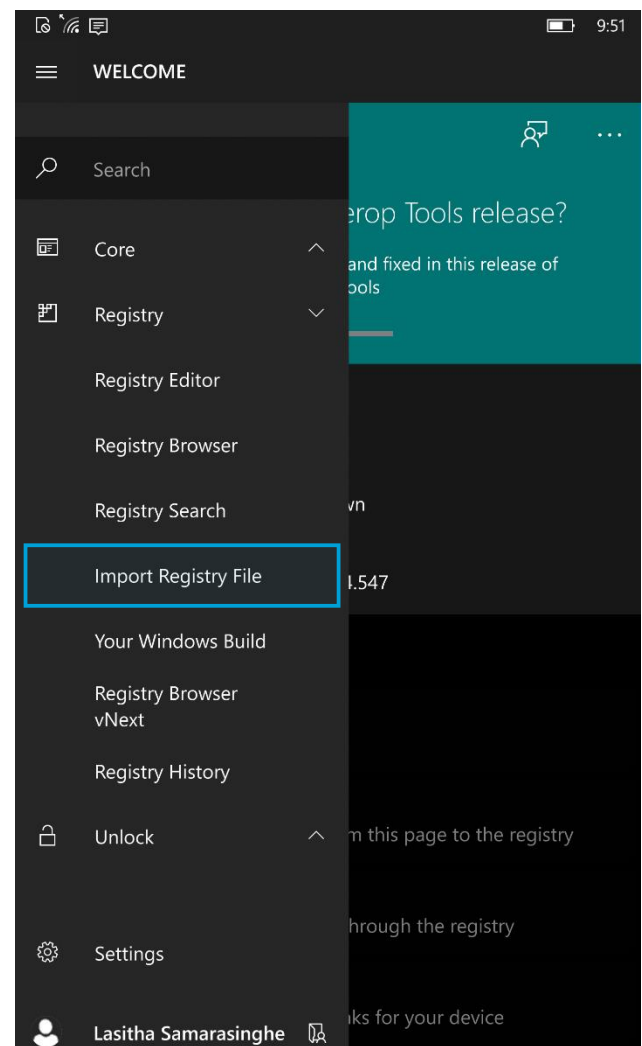
This device

Connects to this device natively using different runtime components. Provides system level access for Nokia (excluding x50s), Samsung and LG devices. Other devices get normal access to the registry.

Use this provider

> Open the hamburger menu (*Side menu*) and then expand registry section.

Choose "**Import registry file**" option.

WELCOME

Search

Core

Registry

Registry Editor

Registry Browser

Registry Search

Import Registry File

Your Windows Build

Registry Browser vNext

Registry History

Unlock

Settings

Lasitha Samarasinghe

> Now choose the "**RS1_L930**" registry file which was downloaded from above.

Inspect the changes if needed & click **import** to automate the registry changes to the system.

> Now, go to "**Settings → Update & Security → Phone/Windows Updates**"

Click **check for updates**.

(Make sure you are connected to Internet)

If you get an update error: check in here.

> You will get updates up to "**10.0.14393.2551**" build which is the latest 1607 *production* build.

(Depending on the build you were on prior to updating, you may get several updates before you land on this one)

Update to RS2 / 1703 / Creators Update / 10.0.15063.XXXX

Download RS2 Update enabler registry file.

	W.U.T		MEGA

RS2_L640 XL.reg
406.00 B

> Open **Interop Tools**.

Choose "**This Device**" as the registry provider.

(*Do not choose "This device (through provider extensions)"*)

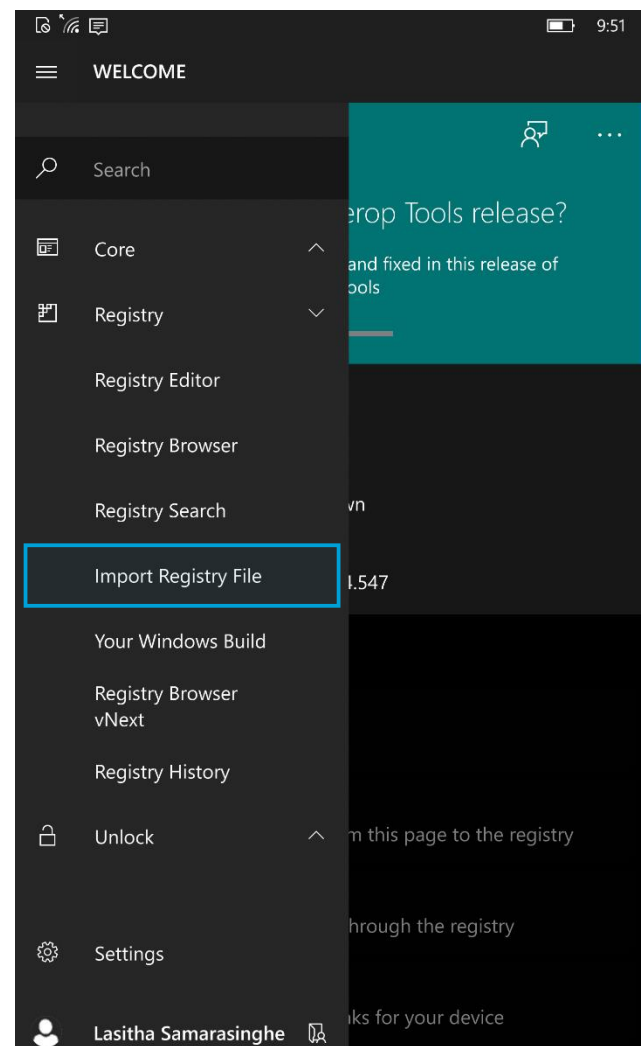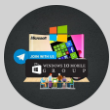Select a provider for this application session

This device

Connects to this device natively using different runtime components. Provides system level access for Nokia (excluding x50s), Samsung and LG devices. Other devices get normal access to the registry.

Use this provider

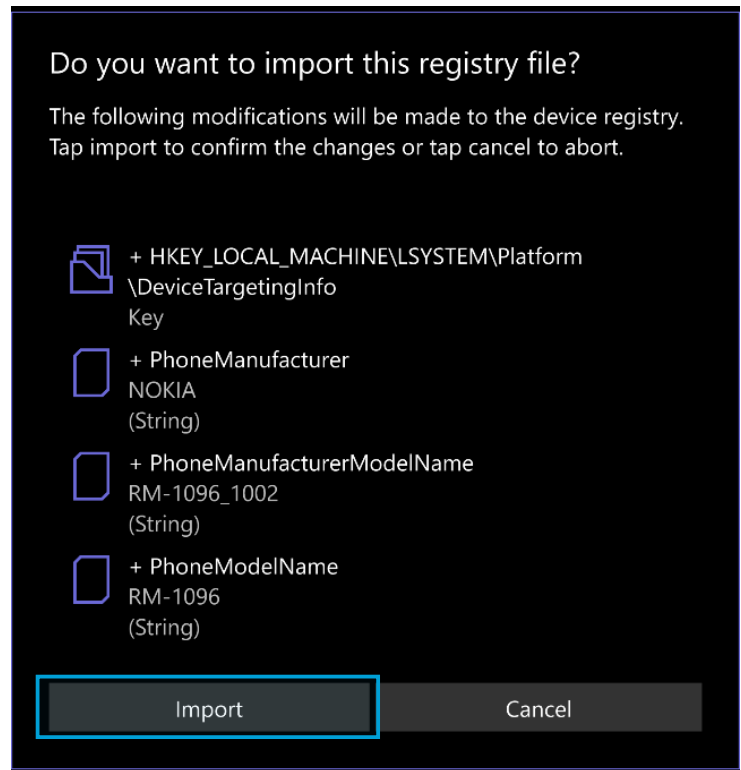> Open the hamburger menu (*Side menu*) and then expand registry section.

Choose "**Import registry file**" option.

WELCOME

Search

Core

Registry

Registry Editor

Registry Browser

Registry Search

Import Registry File

Your Windows Build

Registry Browser vNext

Registry History

Unlock

Settings

Lasitha Samarasinghe

> Now, choose the "**RS2_L640XL**" registry file which was downloaded from above.

Inspect the changes if needed & click **import** to automate the registry changes to the system.

Do you want to import this registry file?

The following modifications will be made to the device registry. Tap import to confirm the changes or tap cancel to abort.

+ HKEY_LOCAL_MACHINE\LSYSTEM\Platform
\DeviceTargetingInfo
Key

+ PhoneManufacturer
NOKIA
(String)

+ PhoneManufacturerModelName
RM-1096_1002
(String)

+ PhoneModelName
RM-1096
(String)

Import   Cancel

> Now, go to "**Settings → Update & Security → Phone/Windows Updates**"

Click **check for updates**.

(Make sure you are connected to Internet)

If you get an update error: check in here.

Windows Update

Update status

Your device is up to date. Last checked: 6/27/2023, 8:26 PM

Check for updates

> You will get updates up to "**10.0.15063.1868**" build which is the latest 1703 *production* build.

(Depending on the build you were on prior to updating, you may get several updates including RS1 updates before you land on this one)

Update status

Updates are available.

• 2019-06B Update for Windows 10 Version 1703 for arm-based Phone Devices.

Preparing to install updates 0%

Update to RS3 / 1709 / Fall Creators Update / 10.0.15254.XXX

Download RS3 Update enabler registry file.

	W.U.T		MEGA

RS3_L950XL.reg
229.00 B

> Open **Interop Tools**.

Choose "**This Device**" as the registry provider.

(*Do not choose "This device (through provider extensions)"*)

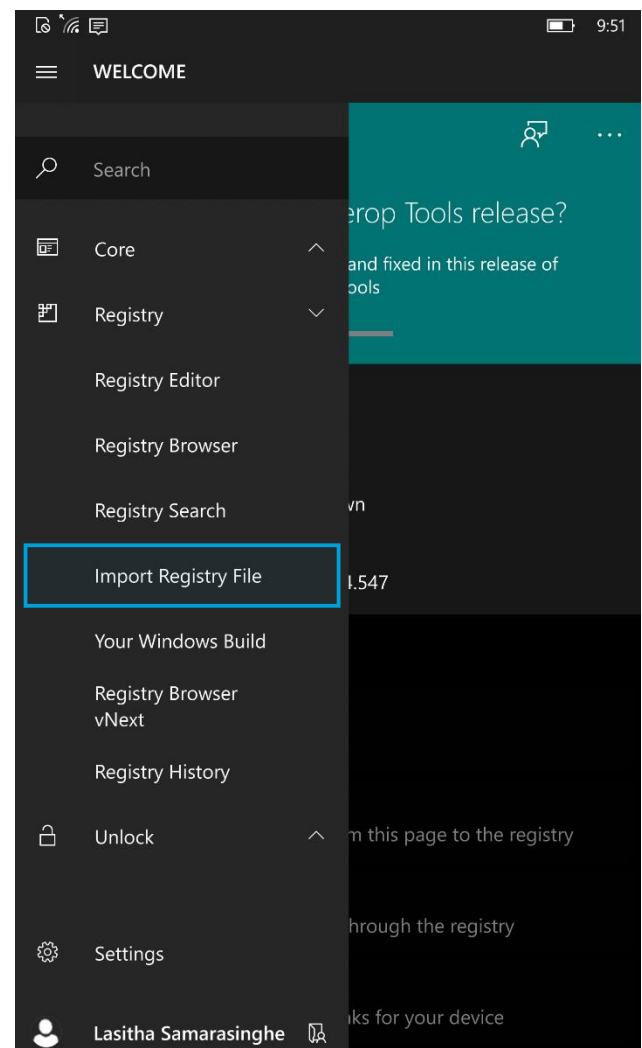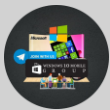Select a provider for this application session

☐ This device

Connects to this device natively using different runtime components. Provides system level access for Nokia (excluding x50s), Samsung and LG devices. Other devices get normal access to the registry.

Use this provider

> Open the hamburger menu (*Side menu*) and then expand registry section.

Choose "**Import registry file**" option.

WELCOME

Search

Core

Registry

Registry Editor

Registry Browser

Registry Search

Import Registry File

Your Windows Build

Registry Browser vNext

Registry History

Unlock

Settings

Lasitha Samarasinghe

> Now, choose the "**RS3_L950XL**" registry file which was downloaded from above.

Inspect the changes if needed & click **import** to automate the registry changes to the system.

Do you want to import this registry file?

The following modifications will be made to the device registry. Tap import to confirm the changes or tap cancel to abort.

+ HKEY_LOCAL_MACHINE\System\Platform
\DeviceTargetingInfo
Key

+ PhoneManufacturer
MicrosoftMDG
(String)

+ PhoneManufacturerModelName
RM-1116_11258
(String)

+ PhoneModelName
Lumia 950 XL
(String)

| Import | Cancel |

> Now, go to "**Settings → Update & Security → Phone/Windows Updates**"

Click **check for updates**.

(Make sure you are connected to Internet)

If you get an update error: <u>check in here</u>.

⚙ Windows Update

Update status

Your device is up to date. Last checked: 6/27/2023, 8:26 PM

Check for updates

> You will get updates up to "**10.0.15254.603**" build which is the latest 1709 *production* build.

(Depending on the build you were on prior to updating, you may get several updates including RS1 & RS2 Updates before you land on this one)

Update status

Updates are available.

• 2019-12B Update for Windows 10 Version 1709 for arm-based Phone Devices.

Preparing to install updates 86%

Common Windows Update errors

Windows Update error: **0x8007003**

Cause: Device Bootloader is unlocked; the update cannot continue.

Solution: Re-lock the device Bootloader.

> ## Update status
>
> Some update files are missing or have problems.
> We'll try to download the update again later.
>
> Error code: (0x80070003)

Windows Update error: **0x80310000**

Workaround: Disable Device Encryption in settings.

(*Settings* → *Update & Security* → *Device Encryption*)

> ## Update status
>
> There were problems installing some updates, but we'll try again later. If you keep seeing this and want to search the web or contact support for information, this may help:
>
> • Windows 10 Mobile (10.0.15063.297) - This update can help make your phone work even better - Error 0x80310000

POST-NOTES (MANDATORY)

- **Only import the REG file of the update you want**; you don't have to import all three of them!

Reason: OTA Updates are delivered according to an order: **RS1 → RS2 → RS3**

The updates will follow this order when downloading via the device settings so even If you wanted RS3 for an example, you will still get at least one update of each branch (RS1/RS2/RS3) on the way to the latest RS3 build.

In other words, whatever the update REG you imported, you will get all the updates along the way to that build so importing only one REG is enough.

- **Hard resetting the device is recommended** after updating is done!

Reason: By importing the REG files, **your device identity is changed to a different model, this can cause compatibility issues with some applications.**

A Hard reset will reset the device identity to the original values.

[REFERENCE] Restore TH Glance in supported Devices

You can use this Guide to restore the Threshold Glance service in your Windows 10 Mobile device after updating it.

All in the information you need about this feature is described in these guides, such as;

> What is it?

> Who needs it?

> Which features it has?

> Setting-up plus customization.

DOCUMENTED VERSION: How to restore TH Glance in supported devices.

	W.U.T		MEGA

VIDEO VERSION: How to restore TH Glance in supported W10M Devices.

	YOUTUBE

[REFERENCE] How to Backup Upgrade CABs of Windows 10 Mobile updates

The method used in this guide to get Redstone updates **is using the official Microsoft OTA Update Servers**.

Which means, if those *servers get taken down* some day, this guide will be *useless*.

So, while they are active, **I suggest you to backup CABs of each update so that you don't want to rely on any servers as you can update the device fully offline anytime if you have the CABs for your device.**

DOCUMENTED VERSION: How to Backup Upgrade SPKG/CABs of W10M Builds.

	W.U.T		MEGA

VIDEO VERSION: *Not available yet*

N/A

Credits

- ✓ Gustave Monce for Interop Tools.

- ✓ Fadil Fadz & Yuri for 640 XL Values.

- ✓ AAWP author Steve for rounding up Side-effects.

That's about it for this guide!

THANK YOU!!

Lasitha Samarasinghe